PLANNING AND DATA SHEET
Hole   AT14 #4

	Plan	**Actual**
1 Well Name	ATM2	AT14 #4
2 Latitude	27° 56' 11.6" N	
3 Longitude	89° 16' 47.0" W	
4 Water Depth (m)	1283	
5 Plan TDbsf (m)	30.3	

6 Scientific Objectives

Site ATM2 (AT14 #5 from hazard risk meeting) will penetrate a mound structure at which hydrate has previously been recovered (unpublished JIP data) and at which a high-reflectivity amplitude anomaly is located approximately 30 metres below the sea floor. Coring and logging will recover sediments, hydrate, and pore fluid data to investigate vertical variability and its relation to variation in seismic attributes. A velocity pull-down is interpreted in the seismic data, and gas analyses will provide direct measurement of the gas concentration and composition that created the observed pull-down

7 Coring program						**8 Shipboard Sampling program**					**9 Shipboard Experiments**												
Core Number	Start Depth (mbsf)	End Depth (mbsf)	Core length (m)	FHPC/FC	FPC/HRC	Head-space	Void gas	Pore Water	Sediment	Microbiol.	IR imaging	Piezo-probe	Temp-erature	Gas analyses	Chem.Anal. (Salinity,Alkalinity,Sulfate/sulfide)	Multi-sensor core logger	X-ray CT scanner	Vertical gamma density logger	Hydrate dissociation with gas sampling & analysis	hand torvane shear strength	pocket penetrometer shear strength	UU-triaxial	lab vane shear
1	0.0	9.1	9.1	1		6	1	5		2	1			7	20	1				1	1	1	1
2	9.1	18.2	9.1	1		2	3	3		1	1			5	12	1				1	1	1	1
3	18.2	27.3	9.1	1		1	3	2		1	1		1	4	8	1				1	1	1	1
4	27.3	28.3	1.0		1										0		1	1					
5	28.3	29.3	1.0		1										0		1	1					
6	29.3	30.3	1.0		1										0		1	1					
7	30.3	39.4	9.1	1			3	2		1	1		1	3	8	1				1	1	1	1
8	39.4	48.6	9.1	1			3	2			1			3	8	1				1	1	1	1
Totals			48.6	5	3	9	13	14	0	5	5		2	22	56	5				5	5	5	5

Notes:

a. FHPC cores (called H cores) and FC cores (called C cores) of 9.1 and 4.6 m length will be cut into 1 m sections. Samples will be designated by Site-Core-Section-centimeter interval. For example, the first sample for pore water from core 1H will be a 10-cm whole round at the base of section 1 designated JIP Hole 6A-1H-1 (90-100).